

## ABSTRACT OF THE DISCLOSURE

The present invention provides a lactic acid-based resin composition comprising a mixture of (A) a mixture of (a1) polylactic acid and (a2) an aliphatic polyester, and (B) an aliphatic block co-polyester having a polylactic acid segment and an aliphatic polyester segment, wherein the aliphatic block co-polyester (B): (1) contains a lactic acid component in an amount of from 20 to 80 wt% in terms of monomer, (2) has a weight average molecular weight of 1,000 or more and less than 60,000, and (3) has a weight average molecular weight of the polylactic acid segment of from 500 to 55,000 and a weight average molecular weight of the aliphatic polyester segment of from 500 to 55,000. The lactic acid-based resin composition of the invention has transparency and flexibility because the respective compositional resins are effectively dispersed. The molded article formed therefrom is good in molding property, and in particular, a molded article thus stretched, oriented and crystallized, such as a film, a sheet, a filament and the like, has excellent mechanical property and heat resistance in addition to the foregoing properties.